

EDUCATION

**THE US ARMY
INTELLIGENCE
CENTER AND
SCHOOL
APPRENTICESHIP
PROGRAM FOR
THE TRADE OF
AERIAL
PHOTOGRAPH
INTERPRETER**

Headquarters
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SUMMARY of CHANGE

DA PAM P621-127

THE US ARMY INTELLIGENCE CENTER AND SCHOOL APPRENTICESHIP PROGRAM FOR THE TRADE
OF AERIAL PHOTOGRAPH INTERPRETER

Not applicable

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EDUCATION

THE US ARMY INTELLIGENCE CENTER AND SCHOOL APPRENTICESHIP PROGRAM FOR THE TRADE OF AERIAL PHOTOGRAPH INTERPRETER

By Order of the Secretary of the Army:

BERNARD W. ROGERS
General, United States Army
Chief of Staff

Official:

J. C. PENNINGTON
Brigadier General, United States Army
The Adjutant General

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Summary. The purpose of this pamphlet is to announce the US Army Intelligence Center and School apprenticeship program for the trade of Aerial Photograph Interpreter (DOT Code 018.261.026).

Applicability. Not applicable.

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ATTN: ATSI-DT-SFTD, Fort Huachuca, Arizona 85613.

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1. Purpose.

The purpose of this pamphlet is to announce the US Army Intelligence Center and School apprenticeship program for the trade of Aerial Photograph Interpreter (DOT Code 018.261.026).

2. General.

Policies and procedures for participation in the program are contained in AR 621-41. This pamphlet is designed to be used in conjunction with that regulation.

3. Apprenticeship Program Number and Occupational Skill Code.

a. The following apprenticeship program number and occupational skill code are used to identify the US Army Intelligence Center and School apprenticeship program for the trade of Aerial Photograph Interpreter.

(1) Apprenticeship Program Number: 99911

(2) Occupational Skill Code: 02

b. The apprenticeship program number and occupational skill code must be entered in items 3 and 4 of DA Form 4409-R (Apprenticeship Application Form) to identify the program for which the soldier is making application.

4. Eligibility for Participation in the Program.

Soldiers holding as primary or secondary the MOS of 96D and serving in that MOS may participate in the program.

5. The Aerial Photograph Interpreter Apprenticeship Program.

This is a 6000-hour program which leads to certification as journeyman in the trade of Aerial Photograph Interpreter. Participation in the program is voluntary, and no membership in labor unions or professional associations is required. The work process schedule and schedule of related instruction for the trade are attached (app A and B). The purposes of the work process schedule and the schedule of related instruction are as indicated below:

a. The work process schedule reflects categories of work experience required by soldier-apprentices to qualify as journeyman and hours of work experience required in each category.

b. The schedule of related instruction identifies courses which may be taken by soldier-apprentices to satisfy the 432 hours of related instruction required for completion of the program.

6. Enrollment in the Program.

Soldiers may enroll in the program by contacting their installation education services officers (ESO's) who will explain requirements of the program and assist in the preparation of the apprenticeship application form (DA Form 4409-R).

7. Apprentice Log Forms.

Apprentice log forms and instructions on use of forms will be issued to soldiers by installation ESO's at the time of registration in the program. Soldier-apprentices will be required to annotate their work experience on log sheets on a daily basis. Log and instruction sheets will be maintained by soldiers in a three-ring binder. Log entries must be verified by the soldier-apprentice's immediate supervisor on a weekly basis.

8. Credit for Previous Experience.

a. Newly enrolled soldier-apprentices who have partially completed an approved Federal or State registered civilian apprenticeship in the trade of Aerial Photograph Interpreter or a related trade will, upon presentation of documentation, be awarded credit for all experience related to categories of work contained in the work process schedule at appendix A.

b. Up to 3,000 hours of credit for previous military work experience may be awarded upon presentation of authenticated documentation of satisfactory performance. Such experience must be directly related to the occupation in which the apprenticeship is being performed. Statements from previous supervisors or other such documentation which certify category of work, number of hours by category, and quality of performance will be submitted by soldier-apprentices to their installation ESO's for consideration. ESO's will forward these documents to the Commandant, US Army Intelligence Center and School, ATTN: ATSI-DT-SFTD, Fort Huachuca, Arizona 85613, for final determination.

9. Related Instruction Credit for Previous Military and Civilian Education.

Credit for previous military and civilian education may be awarded to satisfy related instruction requirements by presenting certificates of course completion or other such documentation from official military records. The installation ESO will determine the amount of credit to be awarded. The ESO will consult appropriate service schools, as required, in order to determine the appropriate amount of credit for each course.

10. Completion of the Program.

Upon successful completion of the program, a Certificate of Completion of Apprenticeship will be awarded by the US Department of Labor. While the award of a Certificate of Completion of Apprenticeship will not guarantee a job, it

will certify that journeyman status has been attained, and should enable completers of the program to be more competitive with civilians in the trade.

11. Partial Completers.

Soldiers leaving the service prior to completion of the program will receive documented credit for that portion of the program which they did complete. This documentation may be presented for satisfaction of requirements of civilian apprenticeship programs in the trade of Aerial Photograph Interpreter or a related trade.

Appendix A

WORK PROCESS SCHEDULE FOR TRADE OF AERIAL PHOTOGRAPH INTERPRETER DOT CODE 018.261.026

Work Processes

Hours

A. Security 120

1. Recognize, properly handle, mark, safeguard, and store clas-sified information.
2. Employ proper procedures for destruction of classified material.
3. Train subordinates and inspect facilities and procedures.

B. Map Reading 600

1. Read, interpret, and use marginal information on a map.
2. Locate a point on a map using the Military Grid Reference System and geographic coordinates.
3. Measure ground distance and determine the elevation/relief on a map.</subpara1>
4. Identify terrain features on a map.
5. Measure azimuths, use Declination Diagram, and compute back azimuths on a map.
6. Locate an unknown point on a map by polar eoorclines, intersection, and resection.

C. Photogrammetry 720

1. Make measurements on vertical aerial imagery:
 - (a) Compute scale by determining the relationship of imagery to an object of known demension, relationship of focal length of a camera to the altitude of the aircraft, and the relationship of imagery to a map.
 - (b) Determine linear distance on imagery.
 - (c) Compute height by relief displacement, shadow proportion, and parallax methods.
2. Make measurements on oblique imagery.
3. Make measurements on Panoramic Imagery.
4. Determine imagery coverage of an area.

D. Image Interpretation Procedures 660

1. Read and use alphanumeric, numeric, and binary code data on imagery.
2. Plot a pilot's trace; vertical aerial mission; raclar (SLAR) imagery; infrared imagery; oblique, panoramic, and high altitude imagery.
3. Prepare/maintain master cover trace; imagery overlay; point, area, and route overlays; and enemy;ituation maps.
4. Construct uncontrolled and semi-controlled mosaics.
5. Brief and debrief aircrews.
6. Present image interpretation briefings.
7. Prepare and maintain file/library systems.
8. Arrange liaison with other units/agencies.
9. Coordinate photographic reproduction.
10. Employ various communications systems and techniques.

E. Interpretation 1,140

1. Use II Keys and References to identify specific objects/conditions.
2. Interpret vertical aerial imagery, radar, infrared, oblique, panoramic, and high altitude imagery.
3. Interpret imagery for engineer intelligence.
4. Conduct target analysis during the planning, pre-attack, and post-attack phases.

F. Image Interpretation Reports and Requests 360

1. Prepare draft or final copy of hot photo report; initial photo interpretation report; general photo interpretation report; mission report; and supplemental photo interpretation reports.
2. Prepare draft or final copy and extract information from Automated Data Processing Systems/Intelligence Data Handling System (ADPS/IDHS) reports.
3. Prepare target folders and graphic representations of flask analysis.
4. Post/maintain mission status boards/aircraft sensor equipment. status boards.
5. Process (distribute and file) aerial reconnaissance surveillance requests.
6. Brief on aerial surveillance capabilities and limitations.
7. Prepare ground surveillance and reconnaissance plans.
8. Evaluate enemy air defense threat considerations for aerial surveillance planning.

G. Terrain 540

1. Analyze meteorological, geological, and floral aspects of terrain for input to terrain analysis studies.
2. Prepare terrain analysis reports, trafficability studies, and entry zone studies.

H. Identification 1,800

1. Identify items of military equipment and significance in the area of operations.
2. Identify ports, harbors, and inland waterway facilities.
3. Identify, analyze, and prepare road, bridge, airfield, and railway reports.
4. Extract order of battle information from aerial imagery.
5. Identify, analyze, and report on industrial facilities and urban areas in the area of operations.

I. Tactical Imagery Interpretation Facility 60

1. Operate the AR - 85A, Viewer Computer, using all types of imagery to prepare reports.
2. Prepare T11F for operation, shipment, and movement.
3. Perform preventive maintenance on and destruction of the T11F.

TOTAL 6,000 HOURS

Appendix B**SCHEDULE OF RELATED INSTRUCTION FOR THE TRADE OF AERIAL PHOTOGRAPH INTERPRETER DOT CODE 018.261-026**

A total of 432 hours of related instruction is required in order to complete this program. Completion of any one or combination of the below listed courses which equals 432 hours of related instruction or more may be taken to satisfy this requirement. Credit for courses not listed below may be awarded upon presentation of authenticated documentation of satisfactory completion. A synopsis of the course must be submitted with documentation. Documentation and synopsis for courses not listed below will be forwarded by ESO's to the US Army Intelligence Center and School, ATTN: ATSI-DT-SFTD, Fort Huachuca, Arizona 85613, for final determination.

Table B-1**SCHEDULE OF RELATED INSTRUCTION FOR THE TRADE OF AERIAL PHOTOGRAPH INTERPRETER DOT CODE 018.261-026**

Course Number	Course Title	School	Res	Non-Res	Hours Credit
30196D10	Assistant Image Interpreter	USAICS	X		560
30196D20	Image Interpreter	USAICS	X	X	80/120
					80
30196D30	Senior Image Interpreter	USAICS		X	120
30196D40	Chief Image Interpreter	USAICS		X	120
30196D50	Tactical Surveillance NCO (TSNCO)	USAICS	X		120
80196D50	First Sergeant	USAIA	X		120
30196D50	Operations NCO	USAICS	X		120
30196B-552	Dissemination and Use of Intelligence Information	USAICS		X	6
30196B-553	Situation Map	USAICS		X	18
30196H-698	OV-ID Aerial Sensor Capabilities and Employment Considerations	USAICS		X	20

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